


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)
**Search:** ☒ The ACM Digital Library ☐ The Guide


Searching within **The ACM Digital Library** with **Advanced Search**: ("data" and "multipath" and "a new search")

Found 134 of 245,263

## REFINE YOUR SEARCH

[Search Results](#)
[Related Journals](#)
[Related Magazines](#)
[Related SI](#)

### ▼ Refine by Keywords

Discovered Terms

### ▼ Refine by People

Names  
Institutions  
Authors  
Reviewers

### ▼ Refine by Publications

Publication Year  
Publication Names  
ACM Publications  
All Publications  
Content Formats  
Publishers

### ▼ Refine by Conferences

Sponsors  
Events  
Proceeding Series

Results 1 - 20 of 134

Sort by

[Save results to a Binder](#)

Result page: [1](#) [2](#) [3](#)

- 1 [Interference temperature: a metric for dynamic spectrum utilization](#)  
Paul J. Kolodzy  
March 2006 **International Journal of Network Management** , Volume 16 I  
**Publisher:** John Wiley & Sons, Inc.  
Full text available: Pdf (607.14 KB) [Additional Information: full citation, abstract, refs](#)  
**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 132, Citation

Interference temperature has been proposed by the FCC as a metric for The purpose of the metric is to demystify and remove the subjective co basis of interference analysis within the regulatory agencies. ...

- 2 [Signal design and system operation of Globalstar versus IS-95 CDM differences](#)  
Leonard Schiff, A. Chockalingam  
January 2000 **Wireless Networks** , Volume 6 Issue 1  
**Publisher:** Kluwer Academic Publishers  
Full text available: Pdf (273.24 KB) [Additional Information: full citation, abstract, refs](#)  
**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 41, Citation

The Globalstar<sup>®</sup> { TM} system provides telephone and data services to a users in the area between  $\pm 70$  degrees latitude. Connection between u PSTN is established through ...

## ADVANCED SEARCH

[Advanced Search](#)

## FEEDBACK

Please provide us with feedback

Found 134 of 245,263


- 3 [Rate-adaptive snoop: a TCP enhancement scheme over rate-control](#)  
Ji-Chae Moon, Byeong-Gi Lee  
June 2006 **IEEE/ ACM Transactions on Networking (TON)** , Volume 14 Iss  
**Publisher:** IEEE Press  
Full text available: Pdf (1.20 MB) [Additional Information: full citation, abstract, refs](#)  
**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 88, Citation

We study TCP performance over the wireless links deploying a wireless whose link characteristics are identified by variable link rate and bursty present a TCP enhancement scheme, called rate-adaptive snoop ...

**Keywords:** TCP, bandwidth-delay product, caching, congestion control,

links, snoop

#### 4 [Detection of FHMA/MFSK signals based on SVM techniques](#)

 Jen-Yang Liu, Yu T. Su

July 2006 **IWCMC '06: Proceedings of the 2006 international conference on communications and mobile computing**

**Publisher:** ACM

Full text available:  Pdf (170.99 KB) **Additional Information:** [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 23, Citation (

This paper documents an initial effort in detecting frequency-hopped (FH) access (MA) environment from a machine learning perspective. Although might require very intensive computing power, the extracted informatio

**Keywords:** support vector machine (SVM)

#### 5 [Energy efficiency of TCP in a local wireless environment](#)

Michele Zorzi, Ramesh R. Rao

June 2001 **Mobile Networks and Applications**, Volume 6 Issue 3

**Publisher:** Kluwer Academic Publishers

Full text available:  Pdf (262.70 KB) **Additional Information:** [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 28, Citation (

The focus of this paper is to analyze the energy consumption performan TCP, namely, Tahoe, Reno and NewReno, for bulk data transfer in an er errors are correlated. We investigate the performance of a single ...

**Keywords:** energy consumption, energy efficiency, fading, wireless TC

#### 6 [Slotted ALOHA and CDPA: a comparison of channel access perform systems](#)

Fiaminio Borgonovo, Michele Zorzi

March 1997 **Wireless Networks**, Volume 3 Issue 1


**Publisher:** Kluwer Academic Publishers

Full text available:  Pdf (359.90 KB) **Additional Information:** [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 22, Citation (

The paper compares the performance of two channel-access schemes si environment, which, in particular, allow the packet capture and can dea interference. The first scheme is the well known S-ALOHA while the sec

#### 7 [The effect of the radio wave propagation model in mobile ad hoc net](#)

 Arne Schmitz, Martin Wenig

October 2006 **MSWIM '06: Proceedings of the 9th ACM international symposium analysis and simulation of wireless and mobile systems**

**Publisher:** ACM

Full text available:  Pdf (812.90 KB) **Additional Information:** [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 90, Citation (

The simulation of wireless networks has been an important tool for rese in the last years. Especially in the field of Mobile Ad Hoc Networking, m been achieved using simulators. The need for reproducible ...

**Keywords:** MANET, photon map, physical layer, ray-tracing, simulation

## 8 [Analysis of ranging process in IEEE 802.16e wireless access systems](#)

 Doo Hwan Lee, Hiroyuki Morikawa

October 2006 **MobiWac '06**: Proceedings of the 4th ACM international work management and wireless access

**Publisher:** ACM


Full text available:  Pdf (196.38 KB) Additional Information: [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 76, Citation (

Ranging process is proposed for the coordination between mobile station 802.16e OFDMA systems. It consists of ranging detection process (RDP), allocation, and registration. Among them, RDP is the first step of ...

**Keywords:** IEEE 802.16e, OFDMA, ranging, wireless access

## 9 [Performance analysis of multi chip/data rate DS-CDMA signals over fading channels](#)

 Ertan Özlürk

July 2006 **I WCMC '06**: Proceedings of the 2006 international conference communications and mobile computing

**Publisher:** ACM

Full text available:  Pdf (392.30 KB) Additional Information: [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 30, Citation (

This paper investigates the Probability error ( $P_e$ ) performance of Multi-Sequence Code Divisions Multiple Access (MCDR/DS-CDMA) systems ov fading channels. Two chip waveforms, raised cosine (RC) and ...

**Keywords:** chip waveforms, multi-chip/data rate CDMA, multipath fadi analysis, wavelets

## 10 [Maximum delay-constrained source rate over a wireless channel](#)

Beatriz Soret, M. Carmen Aguayo-Torres, J. Tomás Enríquez

October 2007 **ValueTools '07**: Proceedings of the 2nd international confere evaluation methodologies and tools

**Publisher:** ICST (Institute for Computer Sciences, Social-Informatics and Telecomm

Full text available:  Pdf (321.77 KB) Additional Information: [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 22, Citation (

Providing Quality of Service (QoS) guarantees in the presence of delay-demands the understanding of the delay's behavior. Moreover, the supp wireless channel comes up against to the time-varying nature of the cha

**Keywords:** delay, effective bandwidth, quality of service, wireless systems

**11** [On channel adaptive multiple access control without contention queue multimedia services](#)

Yu-Kwong Kwok, Vincent Kin-Nang Lau

July 2003 **Wireless Networks**, Volume 9 Issue 4

**Publisher:** Kluwer Academic Publishers

Full text available:  Pdf (3.23 MB)

**Additional Information:** full citation, abstract, references

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 22, Citation (

As tetherless multimedia computing environments are becoming much more important, wireless communication infrastructures for providing wireless multimedia services are expected to proliferate. However, despite the importance of these services, the research on them is still in its infancy.


**Keywords:** adaptive protocol, mobile computing, multiple access control, multimedia services

**12** [Performance analysis of access selection and transmit diversity in mobile networks](#)

 Fredrik Berggren, Remco Litjens

September 2006 **MobiCom '06: Proceedings of the 12th annual international conference on mobile computing and networking**

**Publisher:** ACM

Full text available:  Pdf (561.71 KB)


**Additional Information:** full citation, abstract, references

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 116, Citation (

Motivated by the "beyond 3g" vision of radio access network integration and resource management, a purely analytical performance assessment is presented for a multi-access point integrating multiple radio accesses. Principal focus is on the impact of access selection and scheduling on the system performance.


**Keywords:** multi-access networks, multi-user diversity, performance evaluation, fair, radio access selection, scheduling, stochastic analysis, transmit diversity

**13** [A flow-level simulation framework for hsdpa-enabled umts networks](#)

 Andreas Mäder, Dirk Staehle

October 2007 **MSWIM '07: Proceedings of the 10th ACM Symposium on Modeling and simulation of wireless and mobile systems**

**Publisher:** ACM

Full text available:  Pdf (816.08 KB)

**Additional Information:** full citation, abstract, references

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 153, Citation (

The High Speed Downlink Packet Access is designed for the efficient transmission of traffic in UMTS networks. HSDPA uses fast scheduling with adaptive modulation and coding to adapt the channel bandwidth to the current channel conditions.

**Keywords:** flow-level simulation, hsdpa, simulation technique, umts

**14**

[Closed-form formula for the average BER of noncoherent multi-level](#)

over nonidentical Nakagami fading channels

Redha M. Radaydeh, Mustafa M. Matalgah

July 2006 **IWCMC '06: Proceedings of the 2006 international conference on communications and mobile computing****Publisher:** ACM

Full text available: Pdf (181.47 KB) Additional Information: full citation, abstract, refs

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 30, Citation (

In this paper, we derive a closed-form expression for the average bit error level ( $M$ -ary) orthogonal signals with noncoherent diversity combining in  $m$  fading channels. The assumption of nonidentical ...

**Keywords:**  $M$ -ary orthogonal signals, average bit error rate, nonidentical channels

**15** Effect of sequence selection on MAI suppression in limited spreading

Ian Oppermann, Pieter van Booyen, Branka Vucetic

November 1998 **Wireless Networks**, Volume 4 Issue 6**Publisher:** Kluwer Academic Publishers

Full text available: Pdf (272.61 KB) Additional Information: full citation, abstract, refs

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 11, Citation (

Increasingly, spread spectrum systems are being proposed which support traffic types in a band limited environment. One way to achieve a fixed bandwidth is to allow the use of different processing gains. ...

**16** Spectrally efficient communication for wireless sensor networks using technique

Seung-Jun Kim, Richard E. Cagley, Ronald A. Iltis

June 2007 **Wireless Networks**, Volume 13 Issue 3**Publisher:** Kluwer Academic Publishers

Full text available: Pdf (511.31 KB) Additional Information: full citation, abstract, refs

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 106, Citation

The multi-input multi-output (MIMO) communication framework is adopted networks by having multiple sensors equipped with single-element antenna transmission. A power method-based iterative algorithm is developed to

**Keywords:** cooperative MIMO communications, power method, wireless

**17** Adaptive joint multiuser detection and channel estimation in multipath channels

Xiaodong Wang, H. Vincent Poor

November 1998 **Wireless Networks**, Volume 4 Issue 6**Publisher:** Kluwer Academic Publishers

Full text available: Pdf (387.24 KB) Additional Information: full citation, abstract, refs

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 37, Citation (

The problem of joint multiuser detection and channel estimation in frequency fading CDMA channels is considered. First the optimal multiuser detector is derived, which is seen to have a computational complexity exponential

**18** [DS-CDMA performance with maximum ratio combining and antenna](#)

Pieter van Rooyen, Ryuji Kohno, Ian Oppermann

November 1998 **Wireless Networks**, Volume 4 Issue 6

**Publisher:** Kluwer Academic Publishers

Full text available:  [Pdf](#) (223.36 KB) **Additional Information:** [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 32, Citation (

The mobile communication channel is very hostile to a DS-CDMA signal. Techniques are needed to enhance system performance and capacity. First, capacity and performance is limited by the uplink, ways to improve the

**19** [An analytic method to improve the performance of a space-time block code with channel estimation error](#)



Chi-Min Li, Chi-Yuan Li, I-Tsang Tang, Yu-Yu Peng

July 2006 **1 WCMC '06: Proceedings of the 2006 international conference on**

communications and mobile computing

**Publisher:** ACM

Full text available:  [Pdf](#) (339.00 KB) **Additional Information:** [full citation](#), [abstract](#), [refs](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 14, Citation (

The well-known diversity technique, space-time block codes (STBC) can be used in transmitting and receiving ends to increase the system capacity. Besides, STBC is used in wideband code division multiple access (W-CDMA) system ...


**Keywords:** LOS, NLOS, RAKE, STBC, W-CDMA

**20** [Initial estimation of communication efficiency of indoor wireless channels](#)

G. J. Foschini, R. A. Valenzuela

May 1997 **Wireless Networks**, Volume 3 Issue 2

**Publisher:** Kluwer Academic Publishers

Full text available:  [Pdf](#) (1.52 MB) **Additional Information:** [full citation](#), [abstract](#), [refs](#)





**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 35, Citation (

We report theoretical/numerical estimation of ultimate limits of bandwidth for high bit-rate digital signals indoors. Specifically, we analyze the Cramér-Rao lower bound for single omnidirectional transmit and receive antennas are ...

Result page: [1](#) [2](#) [3](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2009 ACM.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  Adobe Acrobat  QuickTime  Windows Media Player  Real Player